

Nitrite by Colorimetric Method SM 18th /19th /20th 4500-NO₂- B Page 1 of 1					
Facility Name: _____ VELAP ID: _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date: _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____ Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Is nitrite-free water used in making all reagents and dilutions? If the nitrite content is unknown, water is redistilled per the method.	4500NO ₂ - B.3.a				
Is color reagent kept for no longer than about a month?	4500NO ₂ - B.3.b				
Are nitrite standards prepared fresh from stock daily?	4500NO ₂ - B.3.f 4500NO ₂ - B.3.g				
Are samples stored at 4°C and analyzed within 48 hours of collection?	4500NO ₂ - B.1.c 40CFR136.3				
If samples contain suspended solids, are they filtered using 0.45 µm pore diameter membrane filters?	4500NO ₂ - B.4.a				
Is sample pH verified to be between 5 and 9 or adjusted to that range using 1N HCL or NH ₄ OH?	4500NO ₂ - B.4.b				
Are 2 mL of color reagent added to 50 mL of sample, which is then mixed?	4500NO ₂ - B.4.b				
Are samples read at 543 nm between 10 minutes and 2 hours after adding color reagent?	4500NO ₂ - B.4.c				
Is the appropriate light path used? 1 cm light path for 2-25 µg/L NO ₂ -N 5 cm light path for 2-6 µg/L NO ₂ -N 10 cm light path for <2 µg/L NO ₂ -N	4500NO ₂ - B.4.c				
Are sample concentrations computed directly from a standard curve?	4500NO ₂ - B.5				
Notes/ Comments:					